CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

Block No. 0001B

LOAD

Purpose of Test

To load either a "blank" or a "0" character in every storage position of the Processing Unit and manually check any storage position at random by use of the console.

Units Required

1401 Processing Unit (1400, 2000, or 4000 storage positions)
1402 Card Reader

Operations Used	Code
Set Word Marks	(,)
Load	(L)

Method of Test

The complete test block consists of a Title Card numbered 0A in columns 79-80 and six cards numbered 02 through 07. Depending upon the size of the storage unit to be tested and whether blanks or 0's are to be loaded, only one of these six cards is used at a time to execute the test. For example:

Storage Size to be tested	Character to be loaded	Use Card No.
1400	"blank"	02
1400	"0"	03
2000	"blank"	04
2000	"0"	05
4000	"blank"	06
4000	"0"	07

To execute the program four instructions are required, all punched into one card in columns 1 through 28. The character to be loaded (blank or 0) is in column 30.

Assume that Card No. 02 is chosen to load blanks into 1400 storage positions. The card is placed in the hopper of the Read Unit and fed into the machine by depressing the Load Key. Before the card is read, read-in storage positions 1-80 are automatically cleared and a word mark is automatically placed in storage position 001. After the card is read, the program immediately takes over and the instructions are executed in the following manner: